

L = light

	AM		P M		Total
16	—		12	9	21 21
17	11		6	3	41 20
18	16		R	2	59 18
19	5		1/2 R 3	0	67 8
20	5		" 0	1	73 6
21	2		" 0	0	75 2
22	1		" 1	1	78 3
23	7		" 0	1	86 8
24	11		R 0	2	99 13
25	1		R 0	0	100 1
26	8		R 0	0	108 8
27	0		1/2 R 4	1	113 5
28	3		R 0	0	116 3
29	4		R 0	0	120 4
30	2		R 0	0	122 2
31	3	+ 3	1	3	132 10
VIII. 1	1		0	2	135 3
2	0		15	6	156 21
3	11		2	8	177 21
Add 1 addit. sp. Bolivar					178 —
4	11		R 0	0	189 11
5	8		1	4	202 13
6	4		0	1	207 5
7	2		0	0	209 2

8	2	0	2	213	4
9	1	0	1	215	2
10	2	0	0	217	2
11	2	0	1	220	3
12	3	0	2	225	5
13	5	0			

Kingston, Jamaica VII. 4. 1920
night.

Symph. jamaicensis very
common in short dry grass
on bare roadside gutters,
often a number clustered
together. Not particularly
active and flying rarely.

Corydalis 1 under stone
in short grass open.

Decaethus 20¹ / j / H in
weedy areas in open,
moderate numbers.

Conoc. cinereus occul
rare.

Siguanoa Plain,
Kingston, Jamaica VII. 5
Dry plain, mimosa
covered with grasses
& low plants.

Myctil laevig 1 R + H in
cracks of dead mimosa
stump.

Corydalis large number
in debris under large
pieces of abandoned
termitite nest on ground
Schistocerca 1 R in undergrowth

Neocoonoc guttatus 2 R
rich grass in dry
stream bed.

Hapithus many few in
grassy undergrowth
esp about plant &
vine clusters

Cydoptilum rupestris
numerous same

Blaphyrops? 1 R + H
same

Musonia? 1 R 1 J H same

● Ferry River near
Kingston, Jamaica. VII. 5

Neoblattella deterosa 1R
short grass under dead
coconut palm fronds in
open spot.

Blattarus dissoid 17 1/2 R
all there same.

about 10

Sigausa Plain,
Kingston, Jamaica VII. 5

Mangrove Swamp
Cariblatta in leaf
litter, mod nos (1R)
Crochirus 17R beaten
from reeds near
mangroves

● Dolichopus

Stony Hill Jan VII. 5
An. Hurston 90 layer.
Plectoptera 1; beatus from
Heavy tropic foliage
Crypt. all H. same
Walkeingstedt H. same

About 5

~~Constant Spring Jan VII. 5~~
~~Spinegrotes~~ few on
~~pebbly bar in dry~~
~~stream bed~~
~~About 10~~

$$56 + 187 = 243$$

France

● ~~Paris~~ Field, Cristobal, Pan.
VII. 8. 7 Heavy jungle on low
wet ground. Enormous
variety of palms vines
tunga grasses.

~~Modiola paterna~~ common
in litter on bare moist
ground under palms
but also seen through
veg at night.

~~Epilaurops azteca~~ a
few seen.

~~Reada~~ marked like
~~Sucroles~~ same. This
if young actually like
a duck in the litter
& is a poor adult.

~~Isle~~ ~~much~~ mod
nos seen.

~~Stauris~~ seen in
vine swamps

● ~~Spandix~~ very few
seen, 3 at night
~~Cryptotilux~~ 1 seen
at night

Muscia just same
Alind genus only same
Vidua 1 ♀ same & 1 ♂
in many places in
high ground.

Cathartidae beicolor 1 at
night: a Melospiza I
knew no like a beetle
sitting on top of a leaf
that it was taken for the
juv. scaly same

Phylloscopus ma-
gister ma- ^{mann.} montanus
procladius ma- pro-
but no well rapid that
the ma- escaped.

Mniotilta ma- juv. 3 only
all on the same tangle
Amphispiza ma- ma-
in leaves of 20 ft. ma-
or grass at night
Amphispiza ma- ma-
rare same
Amphispiza ma- ma-
same

● Orphid common in saw
grass

Conoc salvator same.

Phlegis small decid
same they fly further
than the cone, but in
other respects are quite
similar in action.

Phlegis large same but
rare

Amblethripidae very scarce
there on edge of jungle
many tetragonid pro
beaten from traces of
foliage.

Phlogothrips pro mod
common on ground

Euphyllodes repunct. not
scarce on camellia lily
leaves in heavy
trop under gr of Killdeer
large striped pale

● Acanthia stem in
grasses partic near
small plant clusters

Cura on short wing
mod mov in grasses
Setigrid 1 only same.

Amurog muti widely
distr, heard at consid
distances giving their
ear-piercing Barrrr
Euclopterid just in
leaf litter, bare ground
under palms 1 ad ♂
Coccorobus 3 seen &
taken 2 in large broad
shoots in puqui jungle
2 in neoy reeds 25
High - eating and
make no effort to
escape. 10th stid, a
week round, as soon
as taken.

Schistocerca 1 ♀ just
moulted on Leav
at night.

was Microcentrum
1 ♀ same.

Dymetoxyl 1 ♀ same

Tropidacris 49 perched
in bushes in mud area
made no effort to escape &
are very sluggish in their movements
near ground surface
19 in thick of reed
in lofty thicket of
muds growing 15 ft high
amongst palms.

$$151 + 243 = 394$$

8 other

Nature C. 2 Dec. VII. 18

Pyrocephalus common
under decaying bark
of various dead trees

Phor. phoeniceus 1 ad 39 same

Pandionia same

minute acanthid 17 1/2

same, few others seen,
all under bark ^{Guayana}

Ceratophaga mud ^{Guayana}

not same. The most
active drum dist. running
about hurriedly

Anas near fence on

large Leuca trees

on banks of French

canal. Free.

Anas 9 fl. Dec. 1899

leathery & large leaved
small tree upstnd w
a long slender pale
yellow tree with white
bit hard. 2 ad. 2 juv.

Comprodes 19 under
bark.

Echinopsalis 2j same
(1 a cubinae belong w Paris Fla
Hb. of Old Panama 73 + 394 = 467

8 + 10 = 18 10 others

Cartagena, Bolivar, Col.
VII. 9.

Coconut palm fringed
beach w sea grape &
wide areas of distichlis
and other salt grasses

Aythya mod nos,
juv the more common

Syllia juv 10 H 1j R

Conocephalus very
rare all H

30 + 467 = 497

18 + 5 = 23 5 others

● Same VII-10 Low bush-
mumosa predominating
but a number of other
broad leaved tree sprouts,
undergrowth weedy, no
grass.

Anaulacomera frequent
in weedy foliage partic-
in high bushes.

Stenocentroides 10th H 17 M
in low undergrowth, beaten
Chaetessa all on slender
trunks of feathery leaved
mumosa, not scarce,
very active but easily
taken if approached great
caution and aimed
directly from above. 11th
Prionocentrus 1st in
weedy open spots all
th.

● Small juv prionocentrus same
Abraxia 2th in bushy
areas on bushes.

Cryptellus 1st in open
in scrub

Parocanthus annulatus

Haplithoid 1jt beaten from
bushes

Scudderia 1jR

Drosophilid 17R juvs occurred
through low bushes - other
one perched on top of bush
Tactista 1R 1H very scarce
in bare spots of scrub.

Pseudophyllid jt occurred
in low bushes. One
minor was found
from where a large
pear-shaped wasp
nest (small yellow
banded wasps) hung,
near it on a minute
spray were three smaller
nests - these clearly
sought protection from
the nest of the wasps
but when approached
tumbled to the
ground without jumping
pro Viadana? n. juv
in bushy bushes

● Cryptops ~~just~~ beaten from bushes

Pipiplex common about
edge of ~~pool~~, stagnant.

$$497 + 100 = 597$$

38 others

$$23 + 38 = 61$$

Puerto Colombia, Atlantico
VII. 11. Dry hills, ground
partly bare, covered w.
a thick scrub largely
acacia, much cactus
aloes etc.

~~Pseudophyllid 2 sp. in
large nos resting at
bases of aloes leaves,
head up. Only 2 ados (H)
found after much
search. When in open
clumps and slow in
their movements.~~

● Exphumella ^{widely distr.} few in
a cut undergrowth
Myctipora as Pseudophyllid
ec. sub. All H

Diedronotus 1 H in
vines near vines &
shrub growth.

Lactis very well distr
and not scarce on
bare ground in open.

Alcaeus 1 j H in vines
in open.

Proscopid 10 H in low
green plants near beach

$$597 + 65 = 662$$

VII. 12 x 8 others $61 + 8 = 69$

Naumotettix 1 j H beaten
from green brush.

Viadacca 1 j H same

Colpotoxus juv in scant
green plants under
heavy hillside scrub
forest. All seen taken.

Diedronotus 17 R on
dead brush

Proscopid 10 R on bare
ground in opening
of scrub forest.

● Musonioid 1 ♀ 1 j H
in scant undergrowth
on ground, hillside
scrub forest.

Blaberus 1 H under
limestone boulder same

Naumotettix 1 j R

Mantoida juv on
trunks of small
trees composing hillside
scrub forest, one
acacia however. Had
4 adults & 1 j on it -
usually taken by
apppr of finger from
directly above but
some escape by darting
about trunk and
then flying to an adj.
small tree trunk. All
keep their antennae in
constant rapid motion

● Mantid juv juv
rare in heavy foliage
Pseudophyll found in
leaves of broad leaf

~~Cryptoptilum 28 H beater~~
~~from edge of Mullied~~
~~scrub forest.~~

shrubs as well as
in aloe, generally
distributed

Scyllia 1 H in open
area of scrub among
twigs & scarit plants
only one seen.

$$662 \pm 55 = 717$$

about 25 insects

P.M.

$$69 + 25 = 94$$

~~Cryptoptilum 18 R 17 H~~ in
dead leaves under bush,
summit of plateau.

~~Cryptoptilum 18 R 17 H~~

Siturgrosa 2 H on trunks
of large smooth trees
near summit of plateau
edge.

~~Muscard Rata~~ $717 \pm 25 = 742$

about 15 insects

$$94 + 15 = 109$$

4363
742
3621

● Bolivar Hacienda, VII.15
P.M.

Moconoc 10th 17H common
singing in pasture grass
at night but very wary
zu-zu-zu-zu-

Paroecanthus 20th H in
vine and on leaves of
low plants, number
of others singing high
up in mango & other
trees.

¹⁷Epilampra 10th H sh w
in grass of pasture at
night.

Micropyllus 17H same
beating.

Phylus 10th R same.

Protopid 10th R same
center sur of vertex
deep lake.

Amantoc common.

● in weedy plants of
pasture

Blaberus 2 under
part of dead log

on arid hillside.

Cyclops 1H beating from
ground surface on arid
hillside

Amblycorypha 1jH same

Tactusa several same

Arphulilla mod common
in pasture

Alcanus several in
pasture.

Saudd parousae 20jH
same all seen later

Choroneura 1H same

one only by beating

Dichropterus jws not seen

$$742 \pm 110 = 852$$

insects 65

$$109 + 65 = 174.$$

Trail to Cinnamomum

VII.16 all these 1R

Musonia 10^R in
forest undergr. ^{3000ft}

Aspilota a few same

10^R 17 3000 & 4000 ft

● Didroplus 1817 3500 to
4000 ft.

<sup>Emphytra
viridanus</sup>
Near Amphicacusta 1j 3500
ft in forest ground vegd
Ripertus marked
3000 - 4000 ft. Lacus spots
on trail along forest.
accul. very active &
mod quick in

Rip alter common on
trail 3800 to 1

Proscopid 17R as
amphicacusta

$$852 \pm 40 = 892$$

20.1 Hacienda Cuernavaca

VII. 16. 1920 4500 ft.

Under bark of wet log
overgrown w small epiphytes
in dense forest.

1 Small Fabia near changin
very few under loose wet
bark & mosses all H

2 Forficula spongif common
small, juvs more numerous
than ads. all H

3 Sparatta mod. no under
bark where it fitted very
tightly - many more
j than ads and those
pale yellowish, the smallest
have ciliate forceps (or not)
all H

4 wingless juv? Epilacnids?
few seen. all H. Panchlora

5 Almost wingless grylled
to beater from low
undergr of heavy
forest 1 ft H seen in
night with flash.

- 6 Pseudonopteryx 1 ♂ H
 in spider web in house
- 7 Great new Cycloptilum 1 ♀ R
 beaten in heavy forest
 undergr. 1 ♂ H on tree trunk
 in heavy forest w flash
- 8 Epilampra forest sp 5 H
 resting at night on top
 of leaves of plants near
 ground in heavy wet
 forest, with flash
- 9 Xestob. caribbea 1 H same
- 10 Ditropus occurs in
 gardens of coffee plantat.
- 11 Arphulla same
- 12 Conoclept. forest green
 common in low weeds
 in open
- 13 Small pale leg Acypha
 on bare wet bank in
 heavy H with flash
- 14 Small striped leg Acypha
 1 ♂ 1 ♀ in large deep
 hole in granitic gravel bank
 1 ♀ on bank, in heavy

Acridothera maculata

- forest all H w flash
15 Large acridothera on
gravel baulks along
trail in heavy forest
locally occasional 4H
night w flash 1R
16 Chlorisoceryza 1M at light
at night
17 Small weavers blotted 1M
light.
18 Katydid 1M at light; jH
in undergr on edge of
forest.
19 Quaxipha 1R 3H beaten from
low plants & grasses on edge
of forest
 $882 + 107 = 999$
others 164 $174 + 164 = 338$
20 Onocophanes a very 1H
rapid zu-zu-zu-zu
very shy in undergr
of coffee plantation
21 Melospiza 1H in
spider web of house

20.2 *Haricida Ancumati*
VII.17.

²²*Amaulacomera* \rightarrow 10^R R
light at night VII.16. 19^H
beaten from forest underg.

²³*Decanthis* 19^R R light
at night.

²⁴*Chorisocera* near *parishi*
drowned in basin near
house 10^H H

²⁵*Chorisocera* broad 19^H
under minute bit of
bark on smooth trunk
of lofty forest tree.

²⁶*Neoblatta carvillei* all
H 1 on screen of house,
others from epiphytic
water holding plants
of small size.

²⁷*Cryptophila* n. sp. 10^R 19^H
H 1 in epiphytic water
holding plant of
small size, 1 in
moss of tree trunk,
both near forest

- ²⁸ Anacipha ap 2, 1 ♀ H
beating from low
under 1/2 of heavy forest
- ²⁹ litlegid 30 ♂ H 1 ♀ R very
scarce in damp sand
of forest trail not far
from stream
- ³⁰ Acroporob 1 ♂ H in forest
letter, under soggy
leaves
- ³¹ Amular comp 1 ♂ H in
water holding small
epiphyte in heavy forest
Amcloniop 1 ♂ H on
trunk of tree in heavy
forest near epiphytes.
- ³² Stenone monif 1 ♀ H
on flowers of forest
plant.
- ³³ near Dine 1 fragment ♀.
swarming night. in forest
PM 10 64; all H in decaying
banana shoots lying on
ground in coffee plantation
- ³⁴ great Acanthid 1 ♀ H same

● place in dead leaves
and litter.

Tryblus - wings mod nos
in wet heavy leaf litter
there

³⁵ Psalis 1 ♀ R juvs? H same
scarcely in decaying banana
shoots

³⁶ Anaplecta banded wing 1 ♀
flew rapidly out of leaf
litter there.

³⁷ Neocnosc near pittalis
1 ♀ R in grass & weeds
open area in coffee
plantation. Eucanthopt.

³⁸ Small winged Amphicnemis
1 ♀ H. scarce as great Cicantid
litigids 2 R on trail in
grassy & banana areas
night; attr to light on
march.

³⁹ Acout. inodes 1 ♂ H attr to L

● Anaulacomura 1 ♂ H
attr to light in dense
forest near stream.

40 Jodacrid 1R

Chorisoneura 1R damaged
1H.

On ferns and tangles
of very luxuriant
undergrowth

41 Acanthid 1♀ H short
oocytes 7, on upper
surface of broad leaf
small dark Chorisoneura
same.

Epilamproidea all M & H
on upper surfaces of
low wet ferns and
broad leaves, all
seen taken as East with
Microgaster still on
broad leaf plant in
heavy tangle.

Cryptopt large 1R all
to light

Acanthid 1♀ H upper
of broad leaf in
dense tangle, the young
all adhering to the

• 179 case by their
caudal appendages
were projecting in every
direction and jolly
moving their limbs -
The ♀ was carrying her
abdomen somewhat
elevated apparently
to protect these young
and presented a
most angular appear.
Prob. 179 in vine
and leaf tangle.

Cyrtorhiza 17 H attr
to light there.

$$999 + 166 = 1065$$

about 150 other insects

$$338 + 150 = 488$$

20.3 Cucumari VII. 18

42 ^{Pseudophragma} ~~Gracil~~ about house H

Dux 1 about house, 1 in
epiphyte of mountain
forest 4900 ft.

Moblatt carrilari (?) 18 H
very dark about house.

43 Mesoblatt. Chorisocera ul
♂ juv. In epiphyte of
mountain forest 4900 ft
18 H.

44 Moblattella 15 H common
in dead leaves of
Guarumo tree ranging
to forest bushes 5000-5200
ft.

Cycloptilum same at
5000 ft.

Capicimella delicatula 19
same & one at 5200 both
in dead Guarumo leaves

Acanthia ser juv
in forest undergr
at 4900-5000 ft

45 Lissoblatta sp fo in

undergrowth & dry
leaf clusters of *Mucy*
forest 4900 to 5200 ft.

⁴⁶ *near Latiblattella* same
type partic in *Guarumo*
leaves as described.

47 *Paratropis* 1 ft runway
across trail in grassy
spot of coffee plantation
at 4700 ft.

⁴⁸ *Cecanthid* swept under forest
5100 ft 1 j R

Parocacthus? 17 R from
dead *Guarumo* leaf
on edge of forest.

⁴⁹ ~~Splendid ground cricket~~
~~black white high legs.~~
~~in a small area~~
~~among dead leaves~~
~~very few 2 ♂ R 5000 ft~~
~~50 green stout legs~~ ^{*Pseudopiptops*}
~~from epiphytic bromeliad~~
~~in heavy forest~~
5100 ft *Tairona pulchella*

51 Platythorus 17H
on wet black soil trail
forest edge, a very
slow and clumsy jungle
no others seen. 4800 ft

52 near Musonia 16R
below edge of forest just
below coffee plantation.
flying thru lit and
was running along
trail.

53 Agracid from dead
Guamno leaves, occasional
in heavy forest at
5200 ft H

54 elongate micropt.
Prunotophyllid 12H same

55 small black Ripipteryx
^{agene} ~~just~~ along short
distance of trail
just below forest
where large black
Ripip. was also in
wood nos. 4800 ft

56 wind numobius
12 H in damp dead
leaf litter of mangy
forest 5000 ft.

57 near Taranaida mod
comm in dead Guarano
leaves hanging from
forest bushes 5000-5200 ft.
 $4887 = 526$

$$1065 + 159 = 1224$$

58 21 insects + 17 insects
PM Chorisonura delineata

larger, pale wing veins 10 H
at light. Ischnoptera

59 Ceratopogon picta 10 R 10 H
in spider web on house
porch.

Anaulocoma 10 H at light

$$1224 + 4 = 1228$$

19.4 Cincinnati VII.19

60 humpback Acydium -
good sized colony on
ground almost bare with
scant grass of cleared
area on ridge 5400 ft alt.
splendid ground cricket (49)

347 in loose leaves of
forest edge & heavy forest
4400-4500

Dichroplus ^{mod} common in fern
on weeds & grasses & few
on hill summit clearing
in coarse grass 4400-5000

shw Decanthis (41) 12 ft under
bit of loose bark of large
tree in heavy forest.

small Cyclopt occasional
in coarse grass of hill summit
clearing & in dry grass of
few Durum near summit
in forest 4900-5000

Telestora 20 ft with

Protoparattas under

~~the~~ bark of dead trees
where the underside

4800

was moist & 17 H at
summit 5000 under ~~the~~
decayed piece of wood
in middle of clearing -
These moths were easily
taken by approaching
the bottle to them cautiously
61 Euborellia 17 M under bark
of dead log.

62 Mouchea 17 R climbing
up smooth trunk of large
tree in heavy forest
where bromeliads & Lilium
were about.

Proclatella dark sp 1 H
(43) from dry Quercus leaf
Chorismura 17 R beating
heavy forest foliage.

63 Amblytropidia very few
scattered thru grasses of
open cleared areas.

64 Pimpl. brunnus 17 H in
house

$$1228 + 92 = 1320$$

$$526 + 25 \text{ other} = 551$$

P.M. To Coffee Mill.

65 Dryllus assimilis juv
juv in grasses of coffee plant

66 Anaxipha blackish 17H
on trail in coffee plantation 4000 ft.

Neonoecephalus large sp
common in heavy grass
near stream 3900 ft.

67 Dussia 1 juv H grasses &
vines near stream 3900 ft.

Anaulacomera 17H in
vine tangle 3900 ft.

Rimpteryx marginatus sp
along trail occul 4000
to 5400 ft.

$$1320 + 30 = 1350$$

$$551 + 10 \text{ others} = 561$$

$$+ 20 = 1370$$

Cincinnati VII. 20 up to 1st
clearing near Lorenzo Trail

68 Anaplecta pale heavy band

2 ♂ R under dead litter under
dead Quercus leaves on
ground 5100 ft.

69 "Tennopteryx" 1 ♂ R in dead
Quercus leaf; 2 ♀ j H under
leaf litter on ground in
forest 5500 ft.

70 Anaxipha dark blue
pale. Under dead Quercus
leaves on ground in heavy
forest 5000 ft. 3 ♂ 2 ♀ R

71 Tauprobolatta 1 ♀ H under
leaf litter on ground in
forest 5500.

Colapterobolatta conspira
pale ad., juv mod mos.
in epiphytic large bromeliads
at 5500 ft.

Capuciniella delicatula 1 ♂ H

same

(54) 1 ♀ R out of epiphytic
bromeliad 4900 ft.

(50) 1♂H 5200ft, 1♀R 4900ft

from dead ~~guano~~ guano
leaves hanging from
prest shrubbery.

(56) common on trail

4900 to 5500ft. parties in
the heavy brush forest
above 5000 - where the
large gryllid had
disappeared and the
small (38) was usual.

The males were tegmina
look almost like a
pale cicadid parasite
projecting from beneath
the pronotum.

Epilampra under dead
bark of tree on edge
of wet ravine 4800ft.

Platythorax 1♂H in
wet leaves of dark
trail in forest at
5000ft

$$1370 + 169 = 1439$$

24 others

P.M.

1 very small mureobiid? under
bark of stump in heavy forest
4300 ft.

Tatuidia 1♂ same

$$1439 + 12 = 1451$$

17 others

72 Nanotettix 1♂ R from
dead guarumo leaf
hanging to low saplings
in heavy forest? 5000 ft.
P.M.

73 Crotylus near 1♀ ^{resting} on
top of leaf of plant near
ground in heavy forest.

Protoparce aducolora 10♂ same
near Procharis 1 R same.

$$1451 + 12 = 1463$$

$$5617 + 10 \text{ others } 571 + 17 = 588$$

~~27~~ 6 Cincinnati Trail
To Vista Nueva Hacienda
VII. 21.

74 Immuopteryx 2 ♀ H 1 ♀ R under
water soaked dead leaves
on deep forest trail. Much
work failed to reveal
anything else except
Xestobol caribbari 1 H same
beauty cricket mod nos n
at about 4900 ft

From Huauco leaves
dead in heavy forest
at 4800 ft.

Cycloptilum large sp
mod nos

Pseudophyllid 2 ♀ R 1 ♀ H same
" (54) 1 ♂ 1 ♀ H in same leaf
walking stick 1 ♂ 2 ♀ R same
Acanthid Eudeous
agassid

75 Chorisoneura 1 ♀ H
same from top of
sapling 20 ft from ground
large pale sp

$$1463 + 126 = 1589$$

$$588 + 22 \text{ others} = 610$$

$$1589 = 1589$$

20

✓
19.7 Cincinnati to 1st
clearing on San Lorenzo 6000 ft
V/11. 22

76 Paroblatta cylindrica 102 jR
25R in "water plants" epiphytic
bromeliads at 6000 ft.
Colaptesobl compsa much
more numerous, partic-
ular in all instars same
Capuciniella a few same.
some Neoblattella
Other species as before
in dead quercus leaves
at 5200 ft. There also
the acanthid, Pseudophy
limnophytus in wet
dead leaves on forest
ridge at 6000 ft. Same
Lamprobl 24 very few,
same & 1 at Cincinnati
4500 ft.

$$1589 + 136 = 1725$$

$$610 + 39 \text{ others} = 649$$

77 Anaxipha darber large
18 ft in grasses near trail on
edge of forest at 4200 ft

● Chonsonura pale vein
14 in dead guano leaf
hanging near ground in
forest at 4200 ft.

P.M.

78 Pachloria columbica 17 ft
at light

Pseudophyllid 10 ft same
Acacanthus juv eating
holes in leaves of

tree, resting on
under side of leaves.
A very active species
but not timid and
can be approached with
ease. The song is a
rich and not very
high pitched trill.

20.8 Cuculini on
Santa Marta trail to
vicio of S. Marta. VII. 23
Coccyzus 2? brought
in by natives.

Sparatta under closely
adhering wet bark on
log in forest 4400 ft.

⁷⁹ Sturnotocerca 1 ♂ H in
open, very active, flying
a considerable distance.

⁸⁰ Stacerartectes in low
plants vines and grasses
on forest margin - few
in numbers 4200-4000 ft.

A very active species, the
males jumping long
distances. As they have
the habit of squatting
as the net passes over
and then jumping
instantly, this is
extremely difficult
to collect.

81 Allotellix H on trail

covered with wet
leaves in heavy forest
4300 ft.

82 Scaud paronae 1 ♀ H.
4100 ft. In grasses on edge
of forest.

83 Eppia 1 ♀ H on dead
leaves under vines &
plants on edge of
forest. This insect flew
a few feet, resting on
the dead leaves where
it was cautiously appr.
and easily seized by
the tips of the wings

84 near Elacochlora 2 ♂
beaten from weeds &
vines on edge of forest
at 4000 ft.

85 Pseudophasma infraplan 3
10 mm by R. Takumby H. Flew
up onto underside of
leaf of wild banana?

on edge of forest
from low grasses and
plants. This example

flew quite vigorously
in flight looking
much like a member
of the genus Colacis or
butterflies. On the under
of the leaf it was standing
well up on its legs in
an alert position then
taken by a rapid sweep
of the net.

$$1725 + 59 = 1784$$

$$649 + 93 \text{ others} = 742$$

P. Montaciena

Eppia 18 H 4100 ft. in clump
of daisy (the kind that has
the seeds which stick to one)
on border of quebrada, strided
a rather weak zee-zee-zee
not high pitched and audible
at not more than 30 feet -
it sang infrequently
and was in consequence
very difficult to locate.
at night

Ischnoptera 1♂ on pathos
in coffee; 4100 ft at night.
undoubtedly rapid.

Conocephalus mod & common
in sugar cane 4000 ft

Epilampra on surface
of large leaved bush
in stream bank. 1♂

Dark Anaxipha singing
on low bush near stream
in coffee plantation.

large Anaxipha 1♀ as Eppia
this is probably ♀ of TT, 1♂ Anaxipha

$$1784 + 9 = 1793$$

20.9 Minca, Surina
de Sta Marta VII.24.1920

Heavily forested ravine
2500 ft.

87 Pseudophyllodromia elegans
1.1j H on leaves of low plants
in heavy forest particularly
platanillo. very alert and
active.

88 Neoblattella } 18/19 H
in forest undergrowth
Small dark Anaxipha
same, beaten from

89 large straw Anaxipha
19 beaten from vines
in heavily forested ravine

90 Eumoptera summaensis?
striped juv occur in
forest undergrowth

Small Cryptotelmus 19 H
same.

Small roach 1j under
bark of decaying log
in heavily forested
ravine.

91

Proscopid 17H in
short plants along trail
in heavily forested ravine
150H same at 2800ft. Very
aboard in its movements

92 Ectocorus (gryllus like)

20H 17R juv locally in
dried leaves among
low plants of heavy
forest undergrowth. A
powerful but not rapid
runner, much like but
not as quick as (5)

Parocanthus as Bolivar 16H
beaten from vines in heavy
forest ravine. 17R

93 Anaxipha laticollis? dark
sides 17R same.

94 Hematosaphrus 29 juv
very juv where much
dry dead leaves were
scattered beneath
small green plants.
Jumped powerfully but
were sluggish.

Musonioid in grasses
& vines along trail on
border of bushy undergr
at 2800 ft 10 H 1 j H.

Maunotellix beaten from
undergr of heavy forest
at 2500 ft.

Diloboplius few in grasses
in open down to 3800 ft.

Amblytropidia same.

Pipiteryx occasional near
stream in heavy forest
at 2500 ft.

Elaeochlora juos in
vines & low green plants
in forest at 2500 ft.

Aecanthid white Jan 2 j
beaten from undergr of
heavy forest 2500

95 Tropinotus rosulvifus
17 H, few from trail in
vine tangle at 2800 ft

96 Musonioid green
weirders 7 1 H beaten
from undergr of heavy

● forest at 2500, V.
97 Heteroneura 1j? ♂ R
2j ♀ H same.

Paratropus pale juv
R same. 106 others

20.10? $1793 + 56 = 1849$

PM Cuciniata w light

Choroneura 1 on top of
leaf in forest undergr.

Problatta 1 juv same, 1 ♀
climbing about dead
stump in open near
forest, when approach
attempted to escape down
the hole made by a
larval beetle.

98 ~~the~~ pale Orocharis
1 ♀ on underside of
leaf of small curly
leaf shrub in heavy
forest

99 Microcentrum 1 ♀
attn to light.

~~1793 ±~~

$1849 \pm 20 = 1869$

26.11

VII.25

~~Acro~~ Problatta 1♂ raised
 from juv. 20.5
"Immopteryx" 1 juv same
Proscopid 1j in coarse
 grass of bare hills
 below Muica & La Tigueria
 at 1800 N. 1♂ 3200 ft
 in trail in open. Highest
 we have seen this sp.
 They are extremely
 helpless, jumping in
 a most clumsy
 fashion and for very
 brief distances and
 assuming various
 grotesquely twig like
 postures.

Homalosaparus 1♂ as 26.10
five Decantheid 1♂ same
musonoid in low
 plants on border
 of forest at 2800 ft.

$$1869 + 13 = 1882$$

$$742 + 66 \text{ others } 808$$

20.12 Hacienda Victoria

VII. 26

Open steep hillside near
forest. Under decaying
litter of dead weeds &
banana stalks. 4100 ft.

Ischnoptera juv

Tauprob mod. nos.

Pachylophasma 10[♂] 19 same

100 Epilampra near
azteca 19 same

Xestob caribbea 10[♂] same

Pachelora colombica ? 19

The juvs "Pycnosceloides
aporus" are possibly
young of this - Have kept
5 juv to verify alive.

101 near Amusia 19 in
vines & plants on peaty
forest border.

Ectocous (92) 10[♂] 19

Other wingless Ectoc 19

1882 = 23 1905

^{CO}
Cinque Bocas (Agua Dulce) just above
VII-26 3500 ft.

102 Nyctibora obscura is
few in dead guaruma
leaves hanging to forest
scrubbery near open
edge of ad of this of
ground under banana
litter at Hacienda Victoria
Tamprobo albip few under
litter among bananas
in open.

Rhipid in low veget
in edge of forest.

Proscopid. 3/4 100 same
1 ad # in foliage at edge
of forest at 3800 ft.

Conocephalus very few
as conocephalus

Ectop 10 1/2 as Tamprobo.

103 Threat Pseudophyllid
came to light in tent
at night - brought
to me by native

● Saudd parouae in
weedy veget in clearing
few.

Musonoid few same.

Schistocerca 10⁺ same.

Staurorhynchus occurs
in vines & plants bordering
forest.

Didroplus few same &
~~to no~~ occurs in weedy open

104 Aleuene few few
~~same~~ in weedy open.

Tropinotus very few
few as Staurorhynchus.

Anaulacomera the two
sp there, v few in low
bushes & tangle of
forest edge.

105 Euphonia curvicauda

17 among weeds in
barricadas, few occurs
in weeds & grasses on
border of forest.

106 Dixippus phaeus

1R from fringe on edge
of forest.

Plain Pseudophyllid
18 Circumcincti VII. 26
native collector

107 3-striped Pseudophyllid
29. 1 & 2 Ja Tigrera
native collector

108 Colpophyllid juv on edge of
forest ~~thatched~~ stilts & leaves juv
 $1905 \pm 150 = 2055$

$808 + 138 \text{ others} = 946$

102 Panchlora cubensis in
a large pile of wood shavings
deposited on the trail of
the Navy forest at
Uruca by ants were found
a consid number of a
small broad reddish
brown roach. Carried
back alive on VII. 25 we
were amazed to find
one adult on VII. 26
a typical pale green
Panchlora - thus
recognizing the young
of this genus for the first
time.

20.13 Summit of San
Lorenzo VII. 25 8500 ft.

Bald of grasses and low
dry stiff shrubs w much
ground water plants.

109 near Ectocorus in
dry leaves near base
of water plant; holding
water however.

Colaptes occul. juvs
about as num. as ads.
same.

110 Phasmod v scarce
same.

111 Rhippteryx numerous
in grassy areas, juvs
much more num than
ads.

Dichropterus mod num
same

near Numobius common
thru grasses & brush

Blattella germanica
1 at camp

Uroblattella 1/2 under
litter in grasses

112 moblathella caribaei

17 in water plants

Littigid in grasses of
bald

$$2055 + 106 = 2161$$

$$946 + 65 \text{ others} = 1011$$

$$(1011 + 105 \text{ moths} = 1116)$$

20.14

113 sh w moblathellid

2 in grasses under light
in morning while had
been all night?

20.14 Summit San Francisco

VII. 26. 28

114 Moxabea ^{intricata sp.} 10^R R beating
in low vegetation

115 Microcentrum 10^R R
in plants near camp.
probably attr to light
during the previous night

116 Littigid sh w 17^R
in mossy & grass
near of low vegetation

$$2055 + 51 = 2106$$

$$1116 + 94 \text{ others} = 1210$$

20.15 upper timber Same
 Lorenzo 7500-7900 ft. VII.29

¹¹⁷ Pilumatoolpha ads & juv
 under dry curling bark
 on dead saplings in
^{see note at 7500 ft.}
 partially cleared area
 near Anaplecta ads occur.
 juv very few same.

hairy short prolegs Dermest
 2j same. 7500 ft.

¹¹⁸ Melastora transparent
 orange brown & brown 1st
 stage, 1st from dry dead
 leaves from base of water
 plant growing on tree of
 bamboo and stunted
 tree zone. 7500 & 7700 ft

near Tatiblattella
 in dry leaves and
 of water plants in
 same zone 7600-7900 ft
 also sp (113) occur
 under moss on tree

trunks and under
bark.

True Neoblattella carribbensi
occurs in water plants
of darkest pits of bamboo
& stunted tree forest. 7500 ft.

119 Neobobophora scarce
under bark on ^{dead} saplings
partic^{ularly} where this was moist,
also or rare under moss
on tree trunks in this
zone. 7500 ft.

Caprimella 1 j in water
plant. 7700 ft.

Problatta 1 ♂ in cluster
of dead leaves, 1 j ♀ ⁷⁸⁰⁰ ft.
feeding undergrowth.

120 Spined Pseudophyllid
1 ♂ in shelter between dead
leaves at base of water
plant on tree and
the moss & lichens
covered trunk in
dark, bamboo & stunted
tree zone. 7700 ft.

● Dichroplus v. few in
grasses & heavy tangle
of partially cleared area
at 7500 ft

Mimobius few in dead
wet leaves on trail.
Amphispiza ^{1 acanthopneuste}
mod nos same to edge
of forest. 7500-7900 ft

The Pilmatosilphae
were very active when
disturbed. The ads
when seized emitted
a pungent and
disagreeable white
fluid which was
a smell rather like
that of Euryc. nigrus.

The imago of this
sp were found under
bark on limbs on
the ground or as
high as 8 ft fr
the ground

$$2106 + 116 = 2222$$

$$1210 + 70 \text{ others} = 1280$$

~~Panay homopus~~
~~Corydalis~~ 1R same 6800ft

20.16 San Lorenzo to
Cucumate VII. 30.

~~Tafalisca~~ 10¹⁷ together
under loose dead dry
bark of sapling 7900ft.
~~mod~~ ~~carrubero~~ mod
nos in dead leaves
hanging beneath water
plants 7900 to 6600ft.

121 bicolor Corydalis
12 many juv under
dry bark of dead
sapling in open 7000ft
Ripit San Lorenzo Sp.
to 7600ft but only in open
areas. Pr on bald just
above forest edge at 8000
Ripit 1 of 2 other sps.
Cucumate VII. 28 E. Flye
mantid

Palmatosilpha as before
down to 7000ft.

Melostoma under bark
at 6500ft 17, 7000ft 18,
7100ft 18 R the female
was wet decaying log

● Psolid 1j in rotting
wet log at 6500 ft.

Caprimella under water
plants in dead leaves of
sawer and one large
colony of juvs under
dry bark of dead sapling
on margin of trail in forest

Rare Bettigids 1 at 7000 ft
smaller 1 in sphagnum
on muddy trail at 6500 ft

Mantocla? 2j beaten
from bushes in open
at 7200 ft

122 Hyllocyrtis

Faludra 1 R sawer

Problattia ⁵⁴⁰⁰⁻⁵⁵⁰⁰ up to 6800 ft
₆₀₀₀ under bark and in dead
water plant leaves hanging
below.

~~Scop~~ Colaptes from
top down to sawer-

sh Pseudophyllid

● in dead quarrum
leaves in heavy forest
at 6100 ft.

Edicous from dead
guarumo leaf in heavy
forest on ground at
5100 ft.

Diner near 17 base, 18
at 6000 ft.

Amphicnistis small
in leaf litter of heavy
forest 7800 to 6800 ft,
1 large R 5100 ft.

Immopteryx 17 R as
Edicous at 6100 ft.

Agracids in dead
guarumo leaves in
heavy forest at 6100 ft.

Litterina rosifumus 17 ft

In top of heavy leaved
bush in clearing at 6800

Juv. and ads. ~~Edicous~~

Cocconotus brought
in by natives at
Aucunati VII. 30

2 small Phasmoda

near Toranzo 8500
on light tree at night

shortly after starting
light on VII. 29.

Phaenocarpa 1 ♀
William Flye (mammal)
Conocéphalus as Conocéphalus
in store VII. 29

$$2222 + 171 = 2393$$

$$1217 + 430 \text{ others} = 1260$$

20.17 Hacienda Victoria
VII. 31 Elev 4100 Under
decaying litter of dead
leaves and banana stalks.
Tamprohl as 20.12

Eppia 1 ♀ H small
Musonoid 1 ♀ H small
123 Acanthops 1 ♀ H "
Ichneoptera small 1 ♀ H "
Dryllus like 1 ♀ H "

Pauchlora 1 R on banana
stalk under base of one
of the dead basal leaves

Beaut gyellid 1♂ under
litter.

Stenorhantes juv in
grasses on forest edge
Saundersia 1♂ H same
Elaeochora 1j R under
litter.

2393 + 21 + 2414

1260 + 17 others = 1277

Pachlora 1♀ H bred
adult from Mica
series of broad brown
juvs kept

20.18 Mica VII.31

2500/17?

Pharmid 1R 1H beaten
from forest undergr.
Elaeochlora sand
sitting up on leaves
partic in vine tangles
Small Elaeochl 1j
H same only one seen

124 Mozzylus in
scant midst of mossy
forest leaf mould
littered 1 R. seating
along trail
¹²⁵ Lactista 1 ♀ H on trail
at La Tigueria

$$2414 + 10 = 2424$$

$$1277 + 31 \text{ others} = 1308$$

20. 19 Vista Nieve VII, 20
10. 30. Camulita Carrizosa
126 P. australasiae 1
127 Prasos sp. series
128 Stagnomant 1 ♀

$$2424 + 24 = 2448$$

20.19A Hacienda Bolivar

VII.31

129 short Amerocentrurus

A very vigorous note -
small colony in trees
and large leaved bushes
near house.

130 Symphloe n sp 1♂

on top of leaf of same
bushes. 1♀ VIII.1 on
garden plants - with
flash at night, both.

131 Forked aria Anaulae

1♀ on top of leaf of same
bushes. with flash at
night VII.31

132 Bluberus in luggage
on porch

133 Supella supellat
in great numbers in
kitchen & bedroom

134 Myiodes sigill

juv seen, 0 taken.

Blattella germanica

seen.

Amyroza muticus several heard

● 135 Tiliogonus fed
on large trunks of
smooth bark trees
scattered thru the very
arid scrub. They run
with a great rapidity
but are easily taken
if appr w great care.
When not in motion
as they then press
themselves close to
the bark appear relying
on their prot colorat.

Cryptulella 1 in arid
scrub - only grasshopper
seen there.

Dendroblatta sobria
1 in pile of boards
under mesquite tree
night with flash.

Mottled wing Pseudophyll

● Climbing about in
pineapple plants,
at night w flash, fed

2448 + 17 = 2465

20.20 Aracataca, VIII.2

136 Proscopid nich medera
occurs in grasses in field
and in vine tangles
along edge of low but
dense jungle.

Emilia few in grasses
& vines along edge of
forest as above.

Tropinotus rosulentus
very few same.

Staurorhynchus 1 same.

137 larger Pseudophyllid
1 ad 1 j in ^{leaf} leaves of
tree like guarnio but
w/ larger leaves which
shrivel more in drying
leaves hanging from
tangle of low jungle
tree =

138 plain Pseudophyll
2 same.

spotted wing Pseudophyll
occurs same

139 Limnolatta 12 #, very

two same.

Dendrobatta sobrina

two juv, 2 ♀ from one leaf
same.

140 Abraxia ocul in
vines on edge of low
thick jungle.

141 Arphul boucardi

juv in field of rank grass
Arph punctata mod
common same and on
edge of forest.

142 near Arachnis dark
as 137, in the net at
the same time was
shaken out the very
poor snake.

which rearing
up with great swiftness
gave the collector no
small shock.

Misonoid 2 ♂ 1 ♀ on
edge of low jungle
in heavy vines

Misonoid green 1 ♀
in vines same

143 Conoc saltator

common in heavy grass
of meadow. C. w. a scarce

144 Small Tettigid

beaten from bare wet
area of meadow

Nyctibora 1j as 137

145 Agracid pale 10¹²

1j as 137.

146 Mobiattella on 10¹²

on top of leaf of vine
covered piece at night
w flash.

147 Iule. rufa 10¹² same

17 on bush, same area.

Anaplecta no. as 146.

Dryllod digillatus in

great numbers in

houses & parties on

poorly. They come

up to our light and

carry off the small

injured moths &
other insects.

● Pauchlora ambigua?
small ♂, ad light.

148 Paulinia 2 same

149 short prolegs bicolor
gray & beaten from
vines & heavy shrubbery
on edge of low dense
forest - same as 20.15?

150 small Cycloptilum
- from same targets
large Abaco Acanthia
beaten from heavy
meadow grasses.

small Acanthia same
Ceanothus 1 & same juv
beaten from vine target
on edge of heavy scrub
forest.

151 Ripiphys v small
sp. occur in wet and
bare spots in meadow

152 small grayish Cw Acanthia

● 1R beaten from
meadow grasses
Alumina juv there

153 Chlorocirtus? 17th
in rank grass on edge
of low dense jungle.

154 Argizala brasilensis
at light at night.

155 Parocentanthus pale

11th on top of leaf in
heavy vines on fence
at night w flash.

160 Dasyprosoma 18th

found on board in
morning being discovered
by ants.

$$2465 + 174 (A57) = 2639$$

$$1308 + 228 \text{ others} = 1536$$

20-21 Oracataca VIII. 3

low but dense wet bush,
vine tangles in open spots
and along borders, stands
of junica grass in low
areas of open.

Amblytropidia mod nos
in vines.

156 Aidemona azteca few
same.

157 Sitalces modest sp.

30 seen 2 taken same

158 Scyllia 17 R in bare
spot in dry scrub along
RR.

Abraxis common same,
exceedingly quick in its
movements

Didronotus few in dead
leaves & sticks under
vine tangles. Easily
taken appar relying
fully on its decided
protective coloration
Mogryllus in dead
leaves under tree in pasture

Staurorhynchus fuwae juv
gras near vine tangles
into which they sprang
w/ great agility - as usual
the males showed the
greatest activity & wariness
of any group taken

Aspilota occid. in vine
tangles, frequently flying
high up into the vines.

159 Viloria 1 large; 1 small; in vine tangles

161 Endromella ~~1~~ 18 H
under dead leaves on edge
of wet heavy scrub forest.

162 Near Apaopteryx plains
1 from ^{dead} leaves of
tree like guano in heavy
wet bush, as R19 yesterday

163 ataxistic Leptids
as 144 mod no locally
liturgusa 1 on gray
mottled bark tree
standing near edge
of heavy low wet forest

● Schistocerca 1H in open
heavy stand of guinea grass
164 Imisia 17 1/2 H in
vines of open area in
heavy low wet forest

165 Stenacris in wet
meadow of guinea grass

166 Saddled Phylloptera

10 2 7/8 H in less heavy
vines on border of
open spot in heavy
low wet forest.

Leptanura 1 1/2 H in high
guinea grass on edge
of forest.

167 Elacochlora 12 on
heavy vines in open spot.
PM ♂ same sp? octomaculata
same.

Acanthus from plants
on edge of forest.

● Phylis in guinea grass
rare, etc. occurs along
stream.

168 minute Letitid &
other allies on black mud

bare spot in guinea
grass open area over
by heavy low wet forest
169 pale green pale blue wing
and segd Amnicoris? on
vine tangle forest edge
a powerful jumper but
not shy.

Amoptera surinamensis 1st
same

Ischnopt meza mod
no on veget at night
partic sugar cane.

170 Endronella on top
of leaf of vine at night
Anapl near pariski 1 same

171 Isch morio 1 on
sugar cane at night.

172 broadplain Blakelitt
on smooth trunk of
large tree at night.

173 Cecanthid small
shill type - on ground
between rows of sugar
cane debris 2♂/7!j, 1♀ red

Luzara minor

other juv in one colony.

Tauprob albipalpus in
sugar cane dried debris
very active at night but
by no means as rapid
in its movements as the
Blattellids.

174 Miogyllus small dark
sp. At light at night.

175 ^{Choricopura} ~~Asaphid~~ small
pale vertex at night.

Paroch 17 in tree leaves
at night, 10 at light.

176 Small Ischnoptera in
running over table in room
under light at night 10R

177 ^{The} Conocephalus smaller
runs a continuous zumm
in weeds at night!

$$2465 + 248 (R 98) = 2713$$

$$1536 + 237 \text{ others} = 1773$$

$$+ 32 = 1805$$

20-22 Tucumanca VIII-4

Heavy mistle great scattered forest trees and many lower ones with a luxuriant undergrowth of weeds plants and in some places vines, platavillo etc.

178 Eumastax 2♀ R. feeding mod heavy undergrowth sitting on top of leaves no dance? H. dance.

179 long. musonia 2♂ H. climbing & flying about same, green 2♀ beaten from low moist places brown & in twigs and litter.

Vilraa Twigs & Litter near or under vents Cayj Mozzy bees in twigs & litter

180 Ellips. minuta see bare damp spots, see

trail in forest.

177 Pimpla small saeco
Bautilla 10 H. active
flying about. Aroused
from low grouched
plants in heavy forest
Cryptophilum beaten from
same mixed veg of scarce
Cryptop str veg saeco
and from dead leaves
hung in bushes in forest
Tenebriolatta under
damp leaves & leaf
mould in forest.
Cyrtoptera Acaxipha
beaten from low plants
in forest.

181 Large beaut Acaxipha
10 R 17 H in waist high
plants in heavy spot
of forest under
small canopy under
bark.

Euphorbia 10 H same
& beating
Quadronebatta 2 H under
dry decayed bark

Phyllopalpus 2♂ H
beaten from waist
high bushes in dense
undergrowth.

Pseudomopid same
large j? Tissoblatta
beaten from leaves
usually of figs bushes
undergr of forest.
182 Tropidacris dux
resting on trunk of
great Macondo tree
in heavy forest. When
dist it flew somewhat
shugglishly into the
top of a nearby stand
to which it clung
very unaciously & un-
sized.

Chlorochlora & mea
in low succulent
herbage in mod
open spot of lofty
forest.

Dendronotus rosulatus

occasional same.

183 Heloniotes? very
few same and in
~~piles~~ dry limbs or
twigs resting on ground
A powerful leaper
but sluggish.

184 Chroucavis occul
in mod low bushes
where it was usually
found well up or
on top of the foliage.
Very sluggish and
easy to capture, making
little effort to escape.
great Acridotheres in
dry dead ^{luzara myzomela} ~~branches~~ on
ground. or many found

185 Omphora bloody FA
swift from a vine.
tangle near a luzara
creek or Mataville
in Acacia forest.
Pandora from pile
of wood pellets made
by the sea-cutting ant

- Spotted wing Pseudophylla
 187 H beaten from
 under & weeds of
 heavy forest.
 186 smaller like great
Pseudophyllid beaten
 from forest undergrowth.
Great Pseudophyllid
 from dead dry Balsam
 leaf hanging in
 shrubbery of heavy
 forest.
 187 nioblattella ⁱⁿ
 beating undergrowth
 of heavy forest. IR
 188 Viadana IR? same

$$\begin{aligned}
 2713 + 136 (R46) &= 2849 \\
 1805 + 101 \text{ others} &= 1906 \\
 + 33 &= 1939
 \end{aligned}$$

20.23 Tucumanca VII. 5

See 20.22

~~Pseudoblatella~~

~~Tabblattella~~ under dead

bark of great Ceiba tree

^{R.H.} all in one colony about

foot from ground on

side of buttress, a few

¹⁸⁹ Macrophyllochroma 1 ♀

same and in same colony

190 small black twice of banded

Anaxipha 1 ♀ H in dead

leaf of Platanillo. platyptera

Neoblattella ¹⁸⁷ same -

the ridges of this genus

were most common there

191 Neoblattella rr same

192 Neoblattella rr "

193 pinkish near Saranda

same very few and all

but one juv.

194 large Nyctibora 2 j

same, 1 ♀ as Pseudoblatella

Pseudophyllid (186) 3 ♂

same.

195 Pseudophasma near

euprepium. 18 H, flew
up with the characteristic
fluttering, hovering
flight from luxuriant
low plants in a nice
spot in high forest.

Homalosa parvus 18 2 ♀
in heavy undergrowth
along trail in dense
low veget of high forest,
1 in dead plataniillo
leaf.

Skull wing like gyllus
1 ♀ in leaf litter mould
Tamproblatta same.

I. masonia brown same
Acacipha 18 H like 181
same as yesterday.

Phyllopalpus beaten
from undergrowth of high
forest.

Cryptoptilum from
dead plataniillo
leaves.

small Anauloc 1 ♀ H beaten
from luxuriant undergrowth

● of lofty forest.

196 Compsoidea mottled 17H
from dead plataniello
leaf hanging in dense
bushy area in lofty
forest.

Cyrtotipha 1R beaten
from undergrowth in
high forest.

$$2849 + 175(R41) = 3024$$

$$1939 + 61 \text{ others} = 2000$$

20.24 Aracataca VIII.5

as 20.21 -

Amnicoris as 169 - all
found in one small
area.

Sitalces same but
more widely distributed
than vine tangles

198 striped Sitalcid

● 18R same, beating.

Blattids beaten from
vine tangle ~~occasionally~~

small spiny palus
Anaxipha large ♂ H same
broad Phyllodromid ♀ H "
spotted wing Pseudophy
found by R in a
small curled dead
leaf into which it tightly
filled, its head face
completely plugging
over. end.

Elanus on bare spots
in rice tangle area.

Rhipipteryx same, very
abundant?

Anzela 1 small juv R
in rice tangle scrub.

$$3024 + 90 = 3114 (30R)$$

$$2000 + 56 \text{ others} = 2056$$

P.M.

179 Hamigryllus artoni

1 ♂ attr to light

200 Amurogryllus unicolor 1 same

201 Scaptieriscus vicinus 1

● 202 Mitroche? elongate
straw color 1 same.

Ichneumon same

small Moryllus same

Anaxypha common same

Dicranoblatia 1 at night
with flash

Proconotus a juv in
vine covered grass, usually
10 or more feet from ground.
Sung a resonant chäää
repeated at short intervals

$$3114 + 44 (29 \text{ in Hdu}) = 3158$$

$$2056 + 34 = 2090 \text{ other insects}$$

20.25 Tucuman VIII. 6

Same region as 20.23

grass Eppia juv? in short
guinea grass growing
in opening of lofty forest

203 Large Pulvis 1 ♂ H

1 ♀ R same.

● 204 2 banded dark Anaxipha
colony under loose bits
of bark on buttress roots
of Macandó tree Malpighia

Acontiothespis 1 ♀ H. on
flowers of Platanillo in
very heavy undergrowth
of lofty forest.

Pseudophasma flushed
from luxuriant veget
along trails in lofty forest
2 ♂ R 1 ♂ H.

205 Neoblattella fraterna 3
1 ♀ R from dead Platanillo
leaves hanging from
under bush of high forest.
Thespis 1 large j R. beating
foliage along trail in
lofty forest.

206 Neocoenophalus, black
line on speculum 1 ♂ H. as 203
Pachlora in rotten spot
on buttress roots of Macaranga
tree where typical Guayana
were found also.

$$3158 + 160 (76R) = \cancel{3274}$$

3318

$$2090 + 116 = 2206 \text{ others}$$

20.26 Aracataca night
of VIII.6

at light

Panochlora 5

Anaxipha 5

" pale 1 (Meteorus?)

Tettigid 1

Argizala 1

Paulinia

Leptomyia 3H on sugar cane

²⁰⁷ Paroecanthus 1, as before

Mesocnephales 2 in
grasses near house -
song continuous & weak
insects not shy.

$$3318 + 25 (7R to) = 3343$$

$$2206 + 36 = 2242 + 14$$

$$\text{juiced moths} = 2256$$

20.27 Tucurica VIII. 7.

208 Pipipteryx small plains
great numbers on wet
sand bordering the
Tucurica river.

Ellyps juv same.

209 Tendactylus apicalis
1R same, 1H on damp
sand near guinea
grass areas along RR.

Cryolepta? juv 1 beaten
from nests in heavy
scrub.

Satoblattella mod
common in guaraná
dead leaves hanging
in heavy scrub.

Tessoblatta or juv
same.

Dendroblatta same
Homalopt 17 from
low plants & ferns
in high forest.

Vilenna same?

$$3343 + 150 \text{ (SIR)} = 3493$$

$$2256 + 72 = 2328 \text{ others}$$

20.28 Aracataca at light
at night VIII. 7

Lettigids 2

Cyrtoripha (gray rare,
yellow annular same sp.?)
13

Paulinia 1

Panchlora 1

$$3493 + 19 = 3512$$

$$2256 + 16 = 2272 \text{ others}$$

$$2328 \quad 2344$$

20.29 Iruwica VIII. 8
High forest partic.
in heavy undergrowth
w much platanillo
on wet ground.

All species as
previously recorded
except —

210 Hypurcompsa 1st under
bark of scale barked
great tree.

211 Tabia dorsalis? 10P27H
in rotting stems of
plantainello in heavy
high underbrush of
high forest growing on
damp ground. These
stems were a puzzle
but it was found
that by cutting
them into short
sections, putting
the whole into the
net and then shaking
the held end of the
stem violently with
a rotating motion
the stems would
shred out and
all their contents
fall into the net.
small earwig for same

Quercus wrightii ~~not seen~~

Pachloria? to be seen
from epiphytic also
growing on trunk of
great forest tree just
as the water plants do.

Phoradendron 3 after
heavy beating of the
dense forest foliage
bordering an ascria.

Pseudopanax 20¹⁷ same
small green white striped
littorinid beaten from
upper foliage of heavy
plantain area under

Eumastix same
Abila very rare on
dead leaves & twigs
in deep shade of
heavy forest.

$$3512 + 158 (65R) = 3670$$

$$2344 + 97 = 2441 \text{ others}$$

20.30 Aracataca VIII. 8

In dead leaves of Balsa tree hanging from tree in yard.

Chorionocura parishi, juv numerous, 1♂ 1♀ a very active insect moving with extreme swiftness

Dendroblatta 1♂, a few juv ^{seen}

Neoblattella 1♂

Anaxipha large sp 1♂

P.M. with waned light

212 ~~Large~~ Phyllis on sugar cane.

213 Caulopsis's colony on a few patches of sugar cane sprouts in one restricted area. Made little or no attempt to escape at this hour.

Ischnoptera 1♂ 1♀ black on sugar cane as rufa but outnumbered by that sp 25 to 1.

Cimicrogryllus singing
on ground between
rows of cane debris.
Shell back Plecanthid
1♂ in same situ.

Vilina 1♂ on ground
vice in yard.

Rh w roade occasional
but extremely active and
appar not confused by
light, in cane debris.
Anacardosoma 1 on sugar
cane.

3670 + 72 (11R) = 3742

2441 + 49 = 2490 others

20.31 Incurva VIII 9
as 20.29.

Paraphidnia 1JR beaten
from low undergrowth
of lops forest.

214 Cycloptilum 1♂R beaten
from undergrowth
in lower dryer
forest, soil sandy.
Cryptop 1♂Hamm and
same, 1♂H as Paraphid

$$3742 + 57(27A) = 3799$$

$$2490 + 80 = 2570 \text{ others}$$

20.32 Anacataca VIII. 9 PM

215 large Microcentrum
at night at light

2 Misonia on sugar
cane, underside of leaf
at night w flash.

Miozylus 3 as 215
new Roach 1

Anaxipha same, many
same, 13 being seen on
back of leaves at one time
Letigid 1 same

$$3799 + 25 = 3824$$

2 Panchlora Taken 20.25
same as 204 but these
Pycnosceloides; these
show that my genus
is a synonym; the
other Panchlora was
adult at mince
was from a very
diff appearing jigs
while I also have fr Panama

$$2570 + 21 = 2591 \text{ others}$$

20033 Aracatáca VIII. 10

216 Paralemas 10¹ H 1¹ R beaten
from shrubs growing in
dry sandy scrub area.

217 Neoblattella ~~on~~ small
from dry leaves in heavy
thickets of palmas de
vino and bambú.

Viadana as 216

Paracac 17 H from vine
tangle near stream

Moconoc 10¹ H in jungle
grass at night, growing
in at intervals which
were much greater than
usual for this genus ^{very}
typical wet sandy border of Rio Aracatá

Paratella 1-1¹ same H

$$3824 + 89 = 3913 (25 R)$$

$$2591 + 128 = 2719 \text{ others}$$

20.34 Lucurica VIII. 11

Chlorophyllum 1 j H, on
short broad leaved
sprouts near ground
in underbrush of lofty
forest. kept alive.

218 Trichus 18 H & j's.
ad in broad leaf vine
tangle in open spot
in lofty forest - the
leaves of the vine
exude a milky
liquid when broken

219 Anaxipha pale
large 18 H same

Pseudomops 1 j H
no dark small Ischnura
in leaf mould under
undergrowth of low
& heavy forest

Alumina no mottled
as Chlorophyllum

Large Anaxipha 17 H
same

Pseudomops 1 j H as

218 kept alive

Eppia

Euclyptus juv from Guinea

grass VII-9.

$3913 + 114 (R42) = 4027$

$2719 + 108 = 2827$ others

Eublaberus? 1 j R in
room Aracataca VIII-11

The Chlorophyllum rests
with head lower than
caudal portion, in fact
nearly touching the
surface on which it is
sitting. The heavy
antennae are waved
about slowly except
when resting. At that
time they are held
closely together, extending
forward and curving
slightly downward
so that their extremities
touch the resting
surface. In this
position they appear
to be the long stem
of a leaf.

same 20.35 Aracataca

VIII. 11 at light

220 Anaxipha angusticollis?

10th H. Some sp 18 came to light last night.

common Anaxipha

No Argizala or Cubicia

came to light this night. The moths were about as usual, beetles somewhat fewer.

Slightly cooler weather after light showers.

$$4027 + 4 = 4031$$

$$2827 + 34 = 2861 \text{ others}$$

20.36 Incunnea VIII. 12

221 Chromatonotus in

damp leaf litter under

heavy undergr. of high

forest in which

platacillo & palo

santo were numerous.

no more seen than

ads, of the latter
about $\frac{1}{2}$ doz. were seen
but only one taken, due
to the difficulty of
movement in the site
and also the exceeding
alertness and rapidity
of the sp. when flying
out of a leaf and sword
jet into other litter where
they scrambled away with
great agility.

222 straw color near Tarama
10 H from dead pendant
yellow & frayed leaf of
platanillo in same site.

Modiolatella same

Nyctibora 2 same, 1 R
resting on green leaf
in heavy undergrowth

223 Acaplecta pale small

10 R beaten from

heavy undergrowth
of high forest.

Pseudophyllids as 222

Pseudophrynodromia
18# running about top
of rich underbrush
foliage in sunny spot
of high forest.

Aph. boucardii rare
in grassy spots
Stenoglossa on slender
trunk of sapling in
heavy undergrowth
of high forest.

Phaenocarpa! pale yellow
green in life. no 222
Micromes in open spot
among guinea grass.

$$4031 + 131 (56R) = 4162$$

$$2861 + 109 = 2970 \text{ others}$$

20.37 Aracataca VIII.13²
attr to light at night. 4R
Mnogryllus small 4
Common Anaxipha 11
mitiocha? 1
Larger Anaxipha 1

224 Anapheta lateralis 1

Ischnoptera small dark

H. found at light in AM 14th

225 Parastagmatoptera 1

Large Blattellite 1 ♂

With hand glass all H
Eppia 1 resting on twig
in vine tangle of low
wet scrub.

Mocouoc guttatus on
immediate bank of
asequia - 2 heard singing
a rapid strident ge-ze-ze-ze
louder and much more
rapid than the others

^{another same? steeper see - see}
Mocouoc sp slender brown

2 juv giving a short
sharp single strid once
or twice quite unlike the
note of the usual sps
of this gen - Bolivar sp?

- Have packed the

Chlorophyllum with
them - was nearly dead
this morning.

4162 \pm 40 (R?) = 4202

2970 + 93 = 3063 others

20.38 Tucumanca VIII.13

In heavy damp underg
of high forest.

2260 "Panama" Occultid.

17H in twilight on dead
leaves, a colony of several
adult ♂s and more
numerous juv found
in dry leaves on damp
soil in heavy forest.
It was a most diffc
matter to secure an
adult male as this
is the most rapid
species I know. Even
with the hand over
it an ant and a
half the indiv can
sometimes escape
before the hand
can be slapped sharply
down. Lernaea varipes

Luzarida annuliger

227 large-shall large

Alcantid Very few
ads, few juv. partic
in the earlier instars
with white pulvinae
on the damp leaf
mould in the twilight
beneath the heavy
undergrowth of the
high forest. #

228 Large Cicadula

18H beaten from tree
shoot in undergrowth of
high forest. This
is a sp of the deep
forest - the only such
in this region. Tho' they
others are few found
in openings of the
heavy forest.

229 Patrachidea 27H

no juv, or few as 227
but ads and is as
colony of 2Hs. Apparent
nurt but a midday
& powerful jumper

230 Enides depressus sp.
1♂ juv beaten from leaf
shoots on ground in
twilight under heavy
underbrush of high forest
Copiphora 1♀ H same.

$$4202 + 121 = 4323 (R43)$$
$$3063 + 83 = 3146 \text{ others}$$

20.39 Aracataca VIII.13
P.M. Attr to light.

231 Small Acupitris
flew in to light at 10
P.M.

232 Spongiphora 1♀
hiding in dense cloth
about light in morning,
1♂ same VIII.14. Both
night's light covered
all night.

233 Myzillus pessilus
1st light at 9 P.M.

$$4323 + 40 (R4) = 4363$$

$$3146 + 29 = 3175 \text{ others}$$

● 20.40 Paris Field, Cristobal,
Pan. VIII.18.1920. All H
Same as VII.7. This area
is not jungle but
in reality low weed
bush, yeannu and
other small trees &
palms, & very w vines
Sprauonyx Beaten
from vines overgrowing
palm frond under
which were dead Crao
& Bitter
Aphonomorphus flavipennis
Aphonomorphus flavipennis flavipennis
flavipennis flavipennis flavipennis
near Paraphidonia
died - Caught Inserina
R VIII.13.

Inseria flavipennis flavipennis
flavipennis flavipennis flavipennis
flavipennis flavipennis flavipennis
flavipennis flavipennis flavipennis

flavipennis flavipennis flavipennis
● flavipennis flavipennis flavipennis
on leaves of vines
covering bush, found

on top of leaves, jump
well but not very alert.
Habits just as *Aracataca*
"Amicceris".

Phylloscopus 2 sp. in high
coarse grasses.

Neoblattella from
dead "guarumo" and
other leaves hanging
in thickets.

Attagis on wet dark
soil in cleared area.

Pipiteryx same

Phylloscopus few in
high trees. ^{Many} ^{many}

Pachyura from low
wet brush foliage.

Anaplectes 2 juv from
dead guarumo leaf
up in coarse grasses

$$4363 \pm 80 = 4443$$

$$3175 \pm 10 = 3185 \text{ other}$$

except 1 buff speckled
ladybird Sta Marta VIII. 16

2041 Santiago de Cuba,
Cuba. VIII, 21, 1920 all H

low grassy hills with
scattered acacia, other
trees & royal palms.

In areas of three- to five
mile grass belt -

near Muñicentrum 1♀

The abd segments lateral
& to near the median
line dorsad are deep

purple, bordered caudad
by turquoise, terminating
ventrad in a white spot.

Moconoc brown 1♂ same

" hook-vertex 1♀ "

Pyrocampa 1j "

Conoc usularis usual "

small Sokistocera in

mod mod in this grass

Arph common in short

dry grasses.

Anaxipha 1♀ same

Spilargus 1♀ in same
area

Stenogaster 17 beaten
in area of rich high grasses
Cryptophilum 11 beaten
from vines & low bushes
in dry area

Orphulella beaetipis sp
occurs in short grass
along road and in
richer meadow grasses.

Aglaopteryx diaphana 18
from under corky bark
of large tree in open.

Elleipes juv on damp
soil in short grass.

$$4443 + 28 = 4471$$

$$3185 + 17 = 3202 \text{ others.}$$

Small *Cabia* 16.
Sparagipe fuscicollis 16
Sparatta 16, 19, 23,
Pandilora 16, 22, 26 (most too) (2) 31(2)
Almost wingless *gryllid* 16
Prionomopteryx 16, 17,
great *Cycloptilum* 16, 17, 18, 21,
Epilampra 16, 17, 20, 23,
Xestoblatta 16, 21, 26,
Didroplus 16, 19, 24, 26, 27, 29,
Amphidulla 16, 31,
Conocephalus 16, 23, 26, 30,
small pale legs *Amphiac* 16
" *stripen* " 16
Large *Amphiac* 16
Chorionura 16, 17(2), 19, 22, 24,
small wingless *blattid* 16
Natydid 16
Anaxipha 16, 17, 18, 22, 23(2) 24(2)
Neococcus 16, 17(2) 19
Melastara 16, 19, 20,
Anaulacoura 17(2), 18, 19, 26,
Cecanthus 17, 22,
Chorionura broad 17 30,
Neoblattella carissari 17, 18, 27, 29,
Cryptoptilum small 17, 19, 24,
Littigid 17(2) 30, 31,
Acroporoblatta 17(2) 2 young 20,
similar *compesa* 17(2), 20, 22,
Lithone 17, 30,
near *Dineux* 17
great *Cecanthid* 17
Dryllus-wings 17, 31,
Psalis 17, 30,
Anaplecta banded-wing 17
small wingless *Amphiac* ^{acanthid} 17, 20, 29,
Acantothrips 17
godacrid 17
Cecanthid short ovip & teg 17, 19, 21, 81
one dark *Chorionura* 17
Cyrtoxipha 17
Dineux 18, 30,
Pseudophyllid 18, 22,
Neoblattella chorionura 18, 19
" " 18
Capuciniella 18, 20, 22, 29,
Dissoblatta 18
near *Latiblattella* 18, 29,

47 *Paratroches* 18, 24,
48 *Cecanthid* 18, 24, 25,
Paroecanthus 18, 24,
49 *Javrona pulch* 18, 19,
50 green stout *Pseudoph* 18, 20,
51 *Platythorax* 18, 20,
52 *Musonia* near 18, 24, 25, 26, 30, 31,
53 *Agracrid* 18, 21, 30, 301
54 elong *Pseudoph* near 18, 20, 21,
55 small *Rhipipt* 18, 24, 26, 30,
56 wire & *Memobius* 18, 20, 27, 29,
57 near *Taracunda* 18
58 large delic *Chorion* 18
59 *Ischnoptera* 18, 23, 26,
60 funny back *Acrid* 19
61 *Euborellia* 19,
62 *Monchea* 19
63 *Amblytropedia* 19, 24,
64 *Periplaneta* 19
65 *Dryllus* unusual 19
66 blackish *Anaxipha* 19
67 *Dussia* 19, 26,
Rhipipt near 19
68 *Anapl* pale navy band 20
69 *Ischnopteryx* 20, 21, 22, 25, 30,
70 *Anax* dark *Ruee* 20
71 *Tauproblatta* 20, 22, 26(2) 31
72 *Hannottia* 20, 24,
73 *Creoryllus* 20
near *Procharis* 20, 24,
Walking stick 21
Eudicous 21
75 large pale *Chorionura* 21
76 *Problatta cylind* 22, 24, 25, 29,
Cocconatus 23, 26, 30, 301
79 *Schistocerca* 23, 26,
80 *Staurorhynchus* 23, 26, 31,
81 *Alloplitis* 23
82 *Sudderia* 23, 26, 31,
84 *Elacochlora* 23, 24, 31(2)
85 *Pseudoplasma* 23, 26,
Epipia 23, 31,
87 *Pseudophyllodromia* 24
88 *Neoblattella* } 24
90 *Europtera* 24, 26,
91 *Protopid* 24, 25, 26,
92 *Ectococcus* *Buzara* 24, 26(2)
94 *Hemalocapara* 24, 25,
95 *Tropinotus* 24, 26,

- 96 green muscivore 24
 97 Heteronemid 24
 99 microcentrum 24
 100 Epilampra azteca 26
 Winkler etc 26, 30,
 102 Nyctibora 26
 103 Great Pseudophy 26
 104 Alcaemus 26
 106 Dixippus 26
 107 30trip Pseudophy 26
 108 Colopolepta 26
 109 near Etecorus 27, 30,
 Colapteroblatta 27, 30,
 110 Phasmod winder 27
 sumit mupiteryx 27, 30,
 B germanica 27, 31
 113 New Neoblattella 27, 29,
 114 Neorakea 28
 115 Microcentrum 28
 116 Tettigid Arno 28
 117 Pulmatosilpha 29, 30,
 Anaplecta 29
 Gray short fore arm 29
 118 Transp Molestoid 29
 119 Neolobophora 29
 120 spined pseudophyllid 29
 Paraphonus ophus 30
 121 Bicolored Corydill 30
 Mantoida 30
 122 Holocompsa 30
 Sm Phasmod 30
 123 Acanthops 31
 Isidm small 31
 Beaut gryllid 31
 124 microgryllus 31
 125 Tactota 31
 126 Paustalaciae (20, 19) 20
 127 Praos 20
 128 Staphyromantis 20
 129 short microcentr 31
 130 Pymptoc 31
 131 Anaulacocera 31
- 132 blabberus 31
 133 Pupilla 31
 134 S. sigillatus 31
 135 Fulguraria 31
 Dendroblatta 31
 Spotted Pseudophy 31